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Docket No.: 2283/301**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Leivan DeVeylder et al

Serial No. : 09/574,735

Conf. No. : 1507

Filed : May 18, 2000

For : CYCLIN-DEPENDENT KINASE INHIBITORS  
AND USES THEREOF

Examiner:

C. Collins

Art Unit:

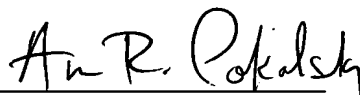
1638

**STATEMENT UNDER 37 C.F.R. § 1.825(a) AND (b)**Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

I hereby state that support for the substitute paper copy of the Sequence Listing exists in the above-captioned application as originally filed. The substitute paper copy of the Sequence Listing submitted herewith does not add new matter to the application as originally filed. In addition, the information recorded in the substitute computer readable form (CRF) of the Sequence Listing submitted herewith, is identical to the information contained in the substitute paper copy of the Sequence Listing.

Respectfully submitted,

  
Ann R. Pokalsky  
Registration No. 34,697

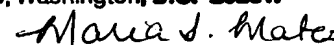
Dated: August 24, 2001

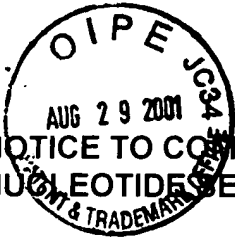
Nixon Peabody LLP  
990 Stewart Avenue  
Garden City, New York 11530-4838  
Telephone: (516) 832-7572  
Facsimile: (516) 832-7555  
ARP/mm

G198835.1

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)**

I certify that the attached correspondence is being deposited  
on 8/24/01 with the U.S. Postal Service as first class mail  
under 37 C.F.R. § 1.8 and addressed to:  
Assistant Commissioner for Patents, Washington, D.C. 20231.

  
Maria I. Matos



Application No.: **09/574735**

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- ☒ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: \_\_\_\_\_

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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## SEQUENCE LISTING

<110> De Veylder, Lieven  
Beeckman, Tom  
Inzé, Dirk  
Van Camp, Wim  
Krols, Luc

<120> Cyclin-dependent kinase inhibitors and uses thereof

<130> 2283/301

<140> US 09/574,735

<141> 2000-05-18

<160> 48

<170> PatentIn version 3.0

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Ala	Gly	Ala	Ser	Glu	Thr	Ser	Val	Val	Ile	Val	Arg	Arg	Arg	Asp	Ser								
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gta	gat	ctt	gag	gaa	aat	aac	ggt	gac	gat	cgt	gaa	aca	gaa	acg	tcg								448
Val	Asp	Leu	Glu	Glu	Asn	Asn	Gly	Asp	Asp	Arg	Glu	Thr	Glu	Thr	Ser								
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Ser Ser Ser Val Ala Val Glu Asp Val Glu Ser Arg Arg Arg Leu Arg	
140 145 150	
aag agt ctc cat gag acg gtg aag gaa gct gag tta gaa gat ttt ttt	592
Lys Ser Leu His Glu Thr Val Lys Glu Ala Glu Leu Glu Asp Phe Phe	
155 160 165	
cag gtg gcg gag aaa gat ctt cgg aat aag ttg ttg gaa tgt tct atg	640
Gln Val Ala Glu Lys Asp Leu Arg Asn Lys Leu Leu Glu Cys Ser Met	
170 175 180 185	
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Tyr Glu Trp Val Lys Leu Asn Pro	
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Gln Ile Glu Glu Glu Asp Ser Ser Val Ser Cys Cys Ser Thr Ser Glu	
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145 150 155 160	
Lys Glu Ala Glu Leu Glu Asp Phe Phe Gln Val Ala Glu Lys Asp Leu	
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Arg Asn Lys Leu Leu Glu Cys Ser Met Lys Tyr Asn Phe Asp Phe Glu	
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Thr Leu Ala Leu Lys Arg Leu Asn Ser Ser Ala Ala Asp Ser Ala Leu
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cct aac gac tct tct tgc tat ctt cag ctc cgt agc cgc cgt ctc gag      193
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 Gly His Asp Gly Asn Pro Lys Ser Pro Ile Gly Asp Ser Ile Ala Glu  
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 Glu Lys Thr Val Gln Lys Ser Pro Glu Pro Glu Asn Ala Glu Phe Lys  
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cccgctcgag atggtgagaa aatatagaaa agctaaagga tttgtagaag ctggagtttc 60  
gtcaacgta 69

<210> 24  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Probe or  
Primer

<400> 24  
ggactagttc actctaactt taccattcg 30

<210> 25  
<211> 32  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Probe or  
Primer

<400> 25  
gatcatctta agcatcatcg tcttcttcat gg 32

<210> 26  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Probe or  
Primer

<400> 26  
taggagcata tggcggcgg 19

<210> 27  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Probe or  
Primer

<400> 27  
atatcagcgc catggaagtc 20

<210> 28  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Probe or  
Primer

<400> 28  
ggagctggat ccttttgaa ttcattg 27

<210> 29  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Probe or  
 Primer

<400> 29  
 taggagcata tggcggcgg 19

<210> 30  
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<220>  
 <223> Description of Artificial Sequence: Probe or  
 Primer

<400> 30  
 atcatcgaat tcttcatgga ttc 23

<210> 31  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Probe or  
 Primer

<400> 31  
 atatcagcgc catggaagtc 20

<210> 32  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Probe or  
 Primer

<400> 32  
 ggagctggat ccttttggaa ttcattgg 27

<210> 33  
 <211> 11  
 <212> PRT  
 <213> Arabidopsis thaliana

<220>  
 <221> UNSURE  
 <222> (5)  
 <223> Xaa at position 5 may be Asp or Glu

<220>  
 <221> UNSURE  
 <222> (6)..(8)

<223> Xaa at any of positions 6, 7 or 8 may be any amino acid

<400> 33

Val Arg Arg Arg Xaa Xaa Xaa Xaa Val Glu Glu  
1 5 10

<210> 34

<211> 8

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (2)..(3)

<223> Xaa at positions 2 and 3 may be any amino acid

<400> 34

Phe Xaa Xaa Lys Tyr Asn Phe Asp  
1 5

<210> 35

<211> 8

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (1)

<223> Xaa at position 1 may be Pro or Leu

<220>

<221> UNSURE

<222> (3)

<223> Xaa at position 3 may be any amino acid

<400> 35

Xaa Leu Xaa Gly Arg Tyr Glu Trp  
1 5

<210> 36

<211> 10

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (2)

<223> Xaa at position 2 may be any amino acid

<220>

<221> UNSURE

<222> (4)

<223> Xaa at position 4 may be Asp or Glu

<220>

<221> UNSURE

<222> (7)..(9)

<223> Xaa at positions 7, 8 or 9 may be any amino acid

<400> 36

Glu Xaa Glu Xaa Phe Phe Xaa Xaa Xaa Glu  
1 5 10

<210> 37

<211> 8

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (2)

<223> Xaa at position 2 may be any amino acid

<400> 37

Tyr Xaa Gln Leu Arg Ser Arg Arg  
1 5

<210> 38

<211> 9

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (5)

<223> Xaa at position 5 may be Met or Ile

<220>

<221> UNSURE

<222> (6)

<223> Xaa at position 6 may be Lys or Arg

<220>

<221> UNSURE

<222> (8)

<223> Xaa at position 8 may be any amino acid

<220>

<221> UNSURE

<222> (9)

<223> Xaa at position 9 may be Lys or Arg

<400> 38

Met Gly Lys Tyr Xaa Xaa Lys Xaa Xaa  
1 5

<210> 39

<211> 8

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (2)

<223> Xaa at position 2 may be any amino acid

<400> 39  
Ser Xaa Gly Val Arg Thr Arg Ala  
1 5

<210> 40  
<211> 327  
<212> PRT  
<213> Arabidopsis thaliana

<400> 40  
Met Gly Lys Tyr Ile Arg Lys Ser Lys Ile Asp Gly Ala Gly Ala Gly  
1 5 10 15  
Ala Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Glu Ser Ser Ile Ala  
20 25 30  
Leu Met Asp Val Val Ser Pro Ser Ser Ser Ser Leu Gly Val Leu  
35 40 45  
Thr Arg Ala Lys Ser Leu Ala Leu Gln Gln Gln Gln Arg Cys Leu  
50 55 60  
Leu Gln Lys Pro Ser Ser Pro Ser Ser Leu Pro Pro Thr Ser Ala Ser  
65 70 75 80  
Pro Asn Pro Pro Ser Lys Gln Lys Met Lys Lys Lys Gln Gln Gln Met  
85 90 95  
Asn Asp Cys Gly Ser Tyr Leu Gln Leu Arg Ser Arg Arg Leu Gln Lys  
100 105 110  
Lys Pro Pro Ile Val Val Ile Arg Ser Thr Lys Arg Arg Lys Gln Gln  
115 120 125  
Arg Arg Asn Glu Thr Cys Gly Arg Asn Pro Asn Pro Arg Ser Asn Leu  
130 135 140  
Asp Ser Ile Arg Gly Asp Gly Ser Arg Ser Asp Ser Val Ser Glu Ser  
145 150 155 160  
Val Val Phe Gly Lys Asp Lys Asp Leu Ile Ser Glu Ile Asn Lys Asp  
165 170 175  
Pro Thr Phe Gly Gln Asn Phe Phe Asp Leu Glu Glu Glu His Thr Gln  
180 185 190  
Ser Phe Asn Arg Thr Thr Arg Glu Ser Thr Pro Cys Ser Leu Ile Arg  
195 200 205  
Arg Pro Glu Ile Met Thr Thr Pro Gly Ser Ser Thr Lys Leu Asn Ile  
210 215 220  
Cys Val Ser Glu Ser Asn Gln Arg Glu Asp Ser Leu Ser Arg Ser His  
225 230 235 240  
Arg Arg Arg Pro Thr Thr Pro Glu Met Asp Glu Phe Phe Ser Gly Ala  
245 250 255  
Glu Glu Glu Gln Lys Gln Phe Ile Glu Lys Tyr Val Phe Pro Arg  
260 265 270  
Phe Ile Cys Ser Val Leu Leu Val Met Ser Phe Gln Phe Val Leu Phe  
275 280 285  
Phe Ser Phe Gly Leu Val Ser Leu Met Val Ser Val Asn Ser Phe Phe  
290 295 300  
Arg Tyr Asn Phe Asp Pro Val Asn Glu Gln Pro Leu Pro Gly Arg Phe  
305 310 315 320  
Glu Trp Thr Lys Val Asp Asp  
325

<210> 41  
<211> 22  
<212> DNA  
<213> Artificial Sequence



<220>

<223> Description of Artificial Sequence: Probe or  
Primer

<400> 41

agaccatggc ggcggttagg ag

22

<210> 42

<211> 12

<212> PRT

<213> Tag-100 epitope

<400> 42

Glu Glu Thr Ala Arg Phe Gln Pro Gly Tyr Arg Ser  
1 5 10

<210> 43

<211> 10

<212> PRT

<213> c-myc epitope

<400> 43

Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu  
1 5 10

<210> 44

<211> 7

<212> PRT

<213> FLAG-epitope

<400> 44

Asp Tyr Lys Asp Asp Asp Lys  
1 5

<210> 45

<211> 9

<212> PRT

<213> HA-epitope

<400> 45

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala  
1 5

<210> 46

<211> 12

<212> PRT

<213> protein C epitope

<400> 46

Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys  
1 5 10

<210> 47

<211> 11

<212> PRT

<213> VSV epitope

<400> 47

Tyr Thr Asp Ile Glu Met Asn Arg Leu Gly Lys  
1 5 10

<210> 48

<211> 9

<212> DNA

<400> 48

agg aga aga

Arg Arg Arg

1

12